Outcome of combined pars plana vitrectomy and scleral fixated intraocular lens for the treatment of ocular trauma

Loo, A.V.Pa, Singh, S.ab, Mohammadreza, P.a, Subrayan, V.a
a Department of Ophthalmology, University Malaya Medical Centre, Lumpur 46000, Malaysia
b Department of Ophthalmology, University Teknologi Mara, Kuala Lumpur 46000, Malaysia

Abstract
AIM: To determine the efficacy of combined pars plana vitrectomy (PPV) with primary scleral fixated intraocular lens (IOL) in patients with ocular trauma. METHODS: A retrospective case series descriptive study. A consecutive 8 patients of ocular trauma which underwent combined PPV with primary scleral fixated IOL at the University Malaya Medical Centre were reviewed. One patient had bilateral injury making it 9 eyes for analysis. The presenting visual acuity, technique of surgery, complications and outcomes were analyzed. RESULTS: Vision improved in 8 out of the 9 eyes (89%). The major postoperative complication noted was an elevated intraocular pressure while suture breakage was not noted in our series. CONCLUSION: Combined PPV and sutured IOL has a good outcome in eyes with history of trauma.

Author keywords
Ocular trauma; Pars plana vitrectomy; Scleral fixed lens

Indexed Keywords
EMTREE medical terms: adult; aged; anterior eye chamber; aphakia; article; clinical article; decompression; descriptive research; eye injury; female; follow up; glaucoma; glaucoma surgery; human; implantation; intraocular pressure abnormality; iris; lens implant; male; outcome assessment; perioperative complication; postoperative complication; retina macula cystoid edema; retrospective study; sclera; sclerectomy; uveitis; visual acuity; visual field; vitrectomy

ISSN: 16725123 Source Type: Journal Original language: English DOI: 10.3969/j.issn.1672-5123.2012.06.02 Document Type: Article